

What is claimed:

1. A shoulder-belt-portion guiding assembly for more convenience and increased survival chance of a passenger of a transport system in an accident or during an in-flight turbulence, comprising a height-adjustable shoulder-belt deflector (5, 5a, 5b), which, serving as a member of a head rest (3.6, 3.6a) of a seat of the transport system, when adjusted to a body proportion of the passenger,

loosely guides a shoulder belt portion of a seat belt, which downwardly extends over a shoulder and an upper body-part of a body of the belted passenger; and prevents neck-injury in the accident or during the in-flight turbulence.

2. The shoulder-belt-portion guiding assembly according to claim 1, wherein the head rest (3.6a) is height-adjustable and has the shoulder-belt deflector (5a) and one stiff head-rest tube (5.10), which, moveable in an opening of a seat-backrest frame, guided thereby and locked therein, is nonrotating about a longitudinal axis of the opening, where the head rest is adjusted to a height of a head of the passenger, thus resulting in a self-adaptation of the shoulder-belt deflector with the shoulder belt portion to the body proportion of the passenger.

3. The shoulder-belt-portion guiding assembly according to claim 1, wherein the head rest (3.6a) is height-adjustable and has the shoulder-belt deflector (5a) and at least two stiff head-rest tubes (5.10), moveable in a seat-backrest frame, guided thereby and locked therein, where the head rest is adjusted to a height of a head of the passenger, thus resulting in a self-adaptation of the shoulder-belt deflector with the shoulder belt portion to the body proportion of the passenger.

4. The shoulder-belt-portion guiding assembly according to claim 3, wherein upon non-use of the seat belt a main latch plate, movable along the shoulder belt portion and a lap belt portion up to a main-latch-plate adaptor, fastened to the lap belt portion, is released from a main buckle assembly, where the passenger, wanting to use the seat belt, easily accesses the released main latch plate, positioned between the shoulder-belt deflector and the main-latch-plate adaptor.

5. The shoulder-belt-portion guiding assembly according to claim 3, wherein upon non-use of the seat belt a main latch plate, movable along the shoulder belt portion and a lap belt portion up to a main-latch-plate adaptor, fastened to the lap belt portion, is released from a main buckle assembly, where the passenger, wanting to use the seat belt, easily accesses the released main latch plate, which, loosely retained by the main-latch-plate adaptor, is positioned at a height of an elbow.

6. The shoulder-belt-portion guiding assembly according to claim 4, wherein the adaptor is a snap-in clip, consisting of two pieces, a stud of one of which is inserted through the belt portion and into an opening of the other and snap-in engaged therewith.

7. The shoulder-belt-portion guiding assembly according to claim 5, wherein the adaptor is a snap-in clip, consisting of two pieces, a stud of one of which is inserted through the belt portion and into an opening of the other and snap-in engaged therewith.

8. The shoulder-belt-portion guiding assembly according to claim 1, wherein the shoulder-belt deflector (5, 5b), guided by a seat-backrest frame and movable therein, has an upper portion, which, projected through a top edge of the seat backrest, is provided with a belt-guiding member, by which the shoulder belt portion is loosely guided; and
5 a locking handle (5.2), having a locking member, which, when unlocked, allows the belt-guiding member with the shoulder belt portion to be adapted to the body proportion of the passenger.

9. The shoulder-belt-portion guiding assembly according to claim 8, wherein the belt-guiding member is an aperture (5.9).

10 10. The shoulder-belt-portion guiding assembly according to claim 8, wherein the belt-guiding member is a shoulder-belt deflector (5a).

11. The shoulder-belt-portion guiding assembly according to claim 8, wherein the height-adjustable shoulder-belt deflector (5b), movable in an opening of the seat-backrest frame, guided thereby and locked therein, is nonrotating about a longitudinal axis of the opening.

15 12. The shoulder-belt-portion guiding assembly according to claim 11, wherein the shoulder-belt deflector, exploited as a single head-rest tube, is made of a material with a high tensile strength and an end portion of the upper portion is attached to the head rest.

13. The shoulder-belt-portion guiding assembly according to claim 12, wherein the belt-guiding member is an aperture (5.9).

20 14. The shoulder-belt-portion guiding assembly according to claim 12, wherein the belt-guiding member is a shoulder-belt deflector (5a).

25 15. The shoulder-belt-portion guiding assembly according to claim 8, wherein upon non-use of the seat belt a main latch plate, movable along the shoulder belt portion and a lap belt portion up to a main-latch-plate adaptor, fastened to the lap belt portion, is released from a main buckle assembly, where the passenger, wanting to use the seat belt, easily accesses the released main latch plate, positioned between the shoulder-belt deflector and the main-latch-plate adaptor.

30 16. The shoulder-belt-portion guiding assembly according to claim 8, wherein upon non-use of the seat belt a main latch plate, movable along the shoulder belt portion and a lap belt portion up to a main-latch-plate adaptor, fastened to the lap belt portion, is released from a main buckle assembly, where the passenger, wanting to use the seat belt, easily accesses the released main latch plate, which, loosely retained by the main-latch-plate adaptor, is positioned at a height of an elbow.

35 17. The shoulder-belt-portion guiding assembly according to claim 15, wherein the adaptor is a snap-in clip, consisting of two pieces, a stud of one of which is inserted through the belt portion and into an opening of the other and snap-in engaged therewith.

18. The shoulder-belt-portion guiding assembly according to claim 16, wherein the adaptor is a snap-in clip, consisting of two pieces, a stud of one of which is inserted through the belt portion and into an opening of the other and snap-in engaged therewith.

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